

## CLAIMS

1. Seaweed extract, notably from red macroalgae, characterized  
5 in that it is likely to be obtained through a process  
including the following steps :

- extraction of said algae with the help of a solvent or a  
solvent mixture acceptable in pharmacy,
- 10 - enhancement of the weight amount of intrinsic  
polypeptides or proteins up to a total content equal to at  
least 20%,
- eventually incorporation of a titrated content of  
citrullinylarginine dipeptide obtained by chemical way,
- 15 - a treatment in hot of the resulting extract.

2. Extract according to the claim 1, characterized in that the  
said alga is preferably an alga having stored optimally 10% in  
dry weight of citrullinylarginine compared to the total weight  
20 of dried alga.

3. Extract according to claims 1 or 2, characterized in that  
the said extraction is performed at reflux of said solvent or  
solvent mixture during 2 to 4 hours.

25 4. Extract according to one of the claims 1 to 3,  
characterized in that the said solvent or solvent mixture is a  
mixture of water with ammoniacal ethanol solution.

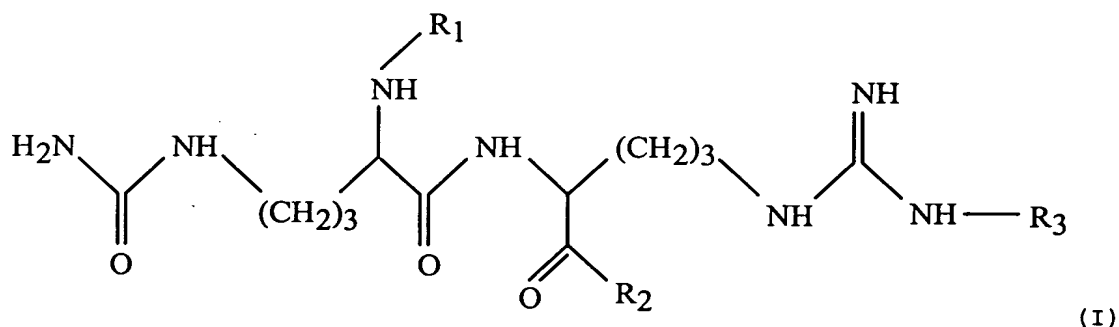
30 5. Extract according to one of the claims 1 to 4,  
characterized in that the said enhancement step results from a  
concentration of said intrinsic polypeptides or proteins.

35 6. Extract according to one of the claims 1 to 4,  
characterized in that the said enhancement step results from  
the incorporation of a quantity of standard proteins available  
in pharmacy.

8. Extract according to one of the claims 1 to 7, characterized in that the treatment step is performed during 3 hours at 40°C.

9. Use of the extract according to one of the claims 1 to 8 as a skin and phanera care and treatment agent.

10. Use of analogs of citrullinylarginine natural dipeptide, or one of any of their salts, as skin and phanera care and treatment agents, the said analogs having the following general formula (I) :



in which :

- R<sub>1</sub> represents an acyl or acycloxy radical,
- R<sub>2</sub> represents a hydroxyl, amine, alkylamine or alkoxy radical,
- R<sub>3</sub> represents a hydrogen atom or a hydroxyl radical.

11. Use according to the claim 10, characterized in that the said analogs are such as R<sub>1</sub> is an acyl radical, R<sub>2</sub> is a alcoxy radical and R<sub>3</sub> is an atom of hydrogen.

12. Use according to the claim 10, characterized in that the said analogs are such as R<sub>1</sub> is an acetyl radical, R<sub>2</sub> is a hydroxyl radical and R<sub>3</sub> is an atom of hydrogen.

5 13. Use according to claims 10 or 11, characterized in that the said analogs are such as R<sub>1</sub> is an acetyl radical, R<sub>2</sub> is an ethyloxy radical and R<sub>3</sub> is an atom of hydrogen.

10 14. Use of the extract according to the claim 9 or analogs according to one of the claims 10 to 13 as care and treatment agents designed to be a potential nitrogen source.

15 15. Use of the extract according to the claim 9 or analogs according to one of the claims 10 to 13 as care and treatment agents able to activate the energetic cell metabolism.

20 16. Use of the extract according to the claim 9 or analogs according to one of the claims 10 to 13 as care and treatment agents displaying some cytostimulating properties.

25 17. Use of the extract according to the claim 9 or analogs according to one of the claims 10 to 13 as care and treatment agents able to improve the behaviour of skin or phanera exposed to a cold temperature.

30 18. Use of the extract according to the claim 9 or analogs according to one of the claims 10 to 13 as care and treatment agents allowing the skin to stand a reduced light intensity without increasing the atonicity and the loss of cutaneous sparkle.

35 19. Use of the extract according to the claim 9 or analogs according to one of the claims 10 to 13 in or for the preparation of dermatological compositions.